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10/09/01

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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/943,722

DATE: 02/13/2002
TIME: 21:37:15

INPUT SET: S36725.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

#2-

SEQUENCE LISTING

(1) General Information:

(i) APPLICANT:

(A) NAME: THE GOVERNMENT OF THE UNITED STATES OF AMERICA AS
REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH
AND HUMAN SERVICES

(B) STREET: BOX OTT

(C) CITY: BETHESDA

(D) STATE OR PROVINCE: MARYLAND

(E) COUNTRY: UNITED STATES OF AMERICA

(F) POSTAL CODE: 20892

(i) APPLICANT:

(A) NAME: PAVLAKIS, GEORGE N.

(B) STREET: 9 PURDUE COURT

(C) CITY: ROCKVILLE

(D) STATE OR PROVINCE: MARYLAND

(E) COUNTRY: UNITED STATES OF AMERICA

(F) POSTAL CODE: 20850

(i) APPLICANT:

(A) NAME: FELBER, BARBARA K.

(B) STREET: 9 PURDUE COURT

(C) CITY: ROCKVILLE

(D) STATE OR PROVINCE: MARYLAND

(E) COUNTRY: UNITED STATES OF AMERICA

(F) POSTAL CODE: 20850

(ii) TITLE OF INVENTION: METHOD OF ELIMINATING
INHIBITORY/INSTABILITY REGIONS OF mRNA

(iii) NUMBER OF SEQUENCES: 130

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: MORGAN & FINNEGAN

(B) STREET: 345 PARK AVENUE

(C) CITY: NEW YORK

(D) STATE: NEW YORK

(E) COUNTRY: USA

(F) ZIP: 10154

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: FLOPPY DISK

(B) COMPUTER: IBM PC COMPATIBLE

ENTERED

RAW SEQUENCE LISTING
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47 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
48 (D) SOFTWARE: WORDPERFECT 5.1
49
50 (vi) CURRENT APPLICATION DATA:
51 (A) APPLICATION NUMBER: 09/943,722
52 (B) FILING DATE:
53 (C) CLASSIFICATION:
54
55 (vii) PRIOR APPLICATION DATA:
56 (A) APPLICATION NUMBER: 08/850,049
57 (B) FILING DATE:
58
59
60 (vii) PRIOR APPLICATION DATA:
61 (A) APPLICATION NUMBER: US 08/050,478
62 (B) FILING DATE: 26-OCT-1994
--> 63 (C) CLASSIFICATION:435
64
65 (vii) PRIOR APPLICATION DATA:
66 (A) APPLICATION NUMBER: PCT/US93/02908
67 (B) FILING DATE: 29-MAR-1993
--> 68 (C) CLASSIFICATION:435
69
70 (vii) PRIOR APPLICATION DATA:
71 (A) APPLICATION NUMBER: US 07/858,747
72 (B) FILING DATE: 27-MAR-1992
--> 73 (C) CLASSIFICATION:435
74
75 (viii) ATTORNEY/AGENT INFORMATION:
76 (A) NAME: MORRY, MARY J.
77
78
79
80
81
82
83
84
85 (B) REGISTRATION NUMBER: 34,398
86 (C) REFERENCE/DOCKET NUMBER: 2026-4006US1
87
88 (ix) TELECOMMUNICATION INFORMATION:
89 (A) TELEPHONE: (212)758-4800
90 (B) TELEFAX: (212)751-6849
91
92 (2) INFORMATION FOR SEQ ID NO: 1:
93
94 (i) SEQUENCE CHARACTERISTICS:
95 (A) LENGTH: 396 BASE PAIRS
96 (B) TYPE: NUCLEIC ACID
97 (C) STRANDEDNESS: SINGLE
98 (D) TOPOLOGY: LINEAR
99

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(xi) SEQUENCE DESCRIPTION:SEQ ID NO: 1:

100
101
102 ATGGGTGCGA GAGCGTCAGT ATTAAGCGGG GGAGAATTAG ATCGATGGGA AAAAATTCGG60
103
104 TTAAGGCCAG GGGGAAAGAA AAAATATAAA TTAAAACATA TAGTATGGGC AAGCAGGGAG120
105
106 CTAGAACGAT TCGCAGTTAA TCCTGGCCTG TTAGAAACAT CAGAAGGCTG TAGACAAATA180
107
108 CTGGGACAGC TACAACCATC CCTTCAGACA GGATCAGAAG AACTTAGATC ATTATATAAT240
109
110 ACAGTAGCAA CCCTCTATTG TGTGCATCAA AGGATAGAGA TAAAAGACAC CAAGGAAGCT300
111
112 TTAGACAAGA TAGAGGAAGA GCAAAACAAA AGTAAGAAAA AAGCACAGCA AGCAGCAGCT360
113
114 GACACAGGAC ACAGCAATCA GGTCAGCCAA AATTAC 396
115
116

(2) INFORMATION FOR SEQ ID NO: 2:

(i) SEQUENCE CHARACTERISTICS:

120 (A) LENGTH: 51 BASE PAIRS
121 (B) TYPE: NUCLEIC ACID
122 (C) STRANDEDNESS: SINGLE
123 (D) TOPOLOGY: LINEAR
124

(xi) SEQUENCE DESCRIPTION:SEQ ID NO: 2:

125
126
127 CCAGGGGGAA AGAAAAAATA TAAATTAAAA CATATAGTAT GGGCAAGCAG G 51
128
129

(2) INFORMATION FOR SEQ ID NO: 3:

(i) SEQUENCE CHARACTERISTICS:

132 (A) LENGTH: 48 BASE PAIRS
133 (B) TYPE: NUCLEIC ACID
134 (C) STRANDEDNESS: SINGLE
135 (D) TOPOLOGY: LINEAR
136
137

(xi) SEQUENCE DESCRIPTION:SEQ ID NO: 3:

138
139
140 CCTTCAGACA GGATCAGAAG AACTTAGATC ATTATATAAT ACAGTAGC 48
141
142

(2) INFORMATION FOR SEQ ID NO: 4:

(i) SEQUENCE CHARACTERISTICS:

143 (A) LENGTH: 50 BASE PAIRS
144 (B) TYPE: NUCLEIC ACID
145 (C) STRANDEDNESS: SINGLE
146 (D) TOPOLOGY: LINEAR
147
148
149
150

(xi) SEQUENCE DESCRIPTION:SEQ ID NO: 4:

151
152

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153 ACCCTCTATT GTGTGCATCA AAGGATAGAG ATAAAAGACA CCAAGGAAGC 50
154
155
156
157
158
159
160
161
162
163
164 (2) INFORMATION FOR SEQ ID NO: 5:
165 (i) SEQUENCE CHARACTERISTICS:
166 (A) LENGTH: 50 BASE PAIRS
167 (B) TYPE: NUCLEIC ACID
168 (C) STRANDEDNESS: SINGLE
169 (D) TOPOLOGY: LINEAR
170
171 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
172
173 GAGCAAAACA AAAGTAAGAA AAAAGCACAG CAAGCAGCAG CTGACACAGG 50
174
175
176 (2) INFORMATION FOR SEQ ID NO: 6:
177
178 (i) SEQUENCE CHARACTERISTICS:
179 (A) LENGTH: 51 BASE PAIRS
180 (B) TYPE: NUCLEIC ACID
181 (C) STRANDEDNESS: SINGLE
182 (D) TOPOLOGY: LINEAR
183
184 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
185
186 CCAGGGGGAA AGAAGAAGTA CAAGCTAAAG CACATCGTAT GGGCAAGCAG G 51
187
188
189 (2) INFORMATION FOR SEQ ID NO: 7:
190
191 (i) SEQUENCE CHARACTERISTICS:
192 (A) LENGTH: 48 BASE PAIRS
193 (B) TYPE: NUCLEIC ACID
194 (C) STRANDEDNESS: SINGLE
195 (D) TOPOLOGY: LINEAR
196
197 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
198
199 CCTTCAGACA GGATCAGAGG AGCTTCGATC ACTATACAAC ACAGTAGC 48
200
201
202 (2) INFORMATION FOR SEQ ID NO: 8:
203
204 (i) SEQUENCE CHARACTERISTICS:
205 (A) LENGTH: 50 BASE PAIRS

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206 (B) TYPE: NUCLEIC ACID
207 (C) STRANDEDNESS: SINGLE
208 (D) TOPOLOGY: LINEAR
209
210 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
211
212 ACCCTCTATT GTGTGCACCA GCGGATCGAG ATCAAGGACA CCAAGGAAGC 50
213
214
215 (2) INFORMATION FOR SEQ ID NO: 9:
216
217 (i) SEQUENCE CHARACTERISTICS:
218 (A) LENGTH: 50 BASE PAIRS
219 (B) TYPE: NUCLEIC ACID
220 (C) STRANDEDNESS: SINGLE
221 (D) TOPOLOGY: LINEAR
222
223 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
224
225 GAGCAAAACA AGTCCAAGAA GAAGGCCAG CAGGCAGCAG CTGACACAGG 50
226
227
228 (2) INFORMATION FOR SEQ ID NO: 10:
229
230 (i) SEQUENCE CHARACTERISTICS:
231 (A) LENGTH: 68 BASE PAIRS
232 (B) TYPE: NUCLEIC ACID
233 (C) STRANDEDNESS: SINGLE
234 (D) TOPOLOGY: LINEAR
235
236
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243
244 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
245
246 GAATAGTGCT GTTAACCTCC TGAACGCTAC CGCTATCGCC GTGGCGGAAG GAACCGACAG60
247
248 GGTTATAG 68
249
250
251 (2) INFORMATION FOR SEQ ID NO: 11:
252
253 (i) SEQUENCE CHARACTERISTICS:
254 (A) LENGTH: 62 BASE PAIRS
255 (B) TYPE: NUCLEIC ACID
256 (C) STRANDEDNESS: SINGLE
257 (D) TOPOLOGY: LINEAR
258

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/09/943,722DATE: 02/13/2002
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Line	Error	Original Text
5	Mandatory Value Not Present	(i) APPLICANT:
6	Unknown or Misplaced Identifier	(A) NAME: THE GOVERNMENT OF THE UNITED STA
9	Unknown or Misplaced Identifier	(B) STREET: BOX OTT
10	Unknown or Misplaced Identifier	(C) CITY: BETHESDA
11	Unknown or Misplaced Identifier	(D) STATE OR PROVINCE: MARYLAND
12	Unknown or Misplaced Identifier	(E) COUNTRY: UNITED STATES OF AMERICA
13	Unknown or Misplaced Identifier	(F) POSTAL CODE: 20892
15	Mandatory Value Not Present	(i) APPLICANT:
16	Unknown or Misplaced Identifier	(A) NAME: PAVLAKIS, GEORGE N.
17	Unknown or Misplaced Identifier	(B) STREET: 9 PURDUE COURT
18	Unknown or Misplaced Identifier	(C) CITY: ROCKVILLE
19	Unknown or Misplaced Identifier	(D) STATE OR PROVINCE: MARYLAND
20	Unknown or Misplaced Identifier	(E) COUNTRY: UNITED STATES OF AMERICA
21	Unknown or Misplaced Identifier	(F) POSTAL CODE: 20850
23	Mandatory Value Not Present	(i) APPLICANT:
24	Unknown or Misplaced Identifier	(A) NAME: FELBER, BARBARA K.
25	Unknown or Misplaced Identifier	(B) STREET: 9 PURDUE COURT
26	Unknown or Misplaced Identifier	(C) CITY: ROCKVILLE
27	Unknown or Misplaced Identifier	(D) STATE OR PROVINCE: MARYLAND
28	Unknown or Misplaced Identifier	(E) COUNTRY: UNITED STATES OF AMERICA
29	Unknown or Misplaced Identifier	(F) POSTAL CODE: 20850
63	Wrong Classification	(C) CLASSIFICATION:435
68	Wrong Classification	(C) CLASSIFICATION:435
73	Wrong Classification	(C) CLASSIFICATION:435

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SEQUENCE MISSING ITEM REPORT
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< < THERE ARE NO ITEMS MISSING > >

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SEQUENCE CORRECTION REPORT
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Line

Original Text

Corrected Text